

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/786,897	TAKAI, JUNJI	
	<b>Examiner</b>	<b>Art Unit</b>	
	Usman Khan	2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/07/2007.
2. ☒ The allowed claim(s) is/are claims 20 - 21 renumbered as allowed claims 1 - 2.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☒ SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☒ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

***Response to Arguments***

Applicant's arguments filed on 11/07/2007 with respect to claims 20 - 21 have been considered persuasive and the application is in condition for allowance.

Regarding objection to specification provided in the previous office action for failing to provide a descriptive title. Applicant has amended the title of the invention to overcome the objection to the specification.

Regarding rejection under 35 U.S.C. 112, second paragraph provided in the previous office action for claim 20. Applicant has amended claim 20 to overcome the rejection under 35 U.S.C. 112, second paragraph hence the rejection is withdrawn.

**DETAILED ACTION**

***Allowable Subject Matter***

Claims 20 - 21 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding independent **claim 20**, the prior art of record fails to teach or fairly suggest a termination unit configured to move down the mirror using said mirror controller in order to forcefully terminate the cleaning operation, in a case where the output voltage detected by said voltage detector declines to a second predetermined value or less, which is a smaller value than the first predetermined value, during execution of the cleaning mode; in combination with other elements of the claim.

Regarding independent **claim 21**, the prior art of record fails to teach or fairly suggest a step of issuing a warning in a case where the output voltage of the battery declines to the first predetermined value or less during the cleaning mode; and a step of moving down the mirror in order to forcefully terminate the cleaning operation in a case where the output voltage of the battery declines to a second predetermined value or less, which is a smaller value than the first predetermined value, during execution of the cleaning mode; in combination with other elements of the claim.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Naito et al. (US patent No. 6,735,455) teaches portable device with battery control.

Naito et al. (US patent No. 6,735,455) teaches portable device with battery control.

Ishibashi et al. (US patent No. 5,196,880) teaches SLR with mirror and battery check.

Alyfuku (US patent No. 4,716,433) teaches portable device with battery control.

Nakayama (US patent No. 5,302,991) teaches camera with battery check.

Ozawa (US patent No. 5,721,987) teaches portable device with battery control.

Saegusa et al. (US patent No. 5,799,217) teaches portable device with battery control.

Naito et al. (US PgPub. 2001/0005686) teaches portable device with battery control.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Usman Khan whose telephone number is (571) 270-1131. The examiner can normally be reached on Mon-Thru 6:45-4:15; Fri 6:45-3:15 or Alt. Fri off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Usman Khan  
01/14/2008  
Patent Examiner  
Art Unit 2622



DAVID OMETZ  
SUPERVISORY PATENT EXAMINER